

[illegible][illegible]

[illegible]

```

LL          IIIIII          SSSSSSSS
LL          IIIIII          SSSSSSSS
LL          II             SS
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LL          II             SS
LL          II             SS
LL          II             SSSSSS
LL          II             SSSSSS
LL          II             SS
LL          II             SS
LL          II             SS
LL          II             SS
LLLLLLLLLLLL IIIIII          SSSSSSSS
LLLLLLLLLLLL IIIIII          SSSSSSSS

```



```
1 0001 0 MODULE LIB_DATABASE ( ! Data base for librarian command processor
2 0002 0 LANGUAGE (BLISS32),
3 0003 0 IDENT = 'V04-000'
4 0004 0 ) =
5 0005 1 BEGIN
6 0006 1
7 0007 1
8 0008 1 *****
9 0009 1 *
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27 0027 1 *
28 0028 1 *
29 0029 1 *****
30 0030 1
31 0031 1 ++
32 0032 1
33 0033 1 FACILITY: Library command processor
34 0034 1
35 0035 1 ABSTRACT:
36 0036 1
37 0037 1 The VAX/VMS librarian is invoked by DCL to process the LIBRARY
38 0038 1 command. It utilizes the librarian procedure set to perform
39 0039 1 the actual modifications to the library.
40 0040 1
41 0041 1 ENVIRONMENT:
42 0042 1
43 0043 1 VAX native, user mode.
44 0044 1
45 0045 1 --
46 0046 1
47 0047 1
48 0048 1 AUTHOR: Benn Schreiber, CREATION DATE: 12-June-1979
49 0049 1
50 0050 1 MODIFIED BY:
51 0051 1
52 0052 1 V03-001 GJA0071 Greg Awdziejewicz 6-Mar-1984
53 0053 1 Allow text & shareable image libraries' keys to be as
54 0054 1 long as filenames.
55 0055 1
56 0056 1 V02-005 RPG0045 Bob Grosso 7-Aug-1981
57 0057 1 Support for /BEFORE and /SINCE
```

:	58	0058	1	:	lib\$gl_ctlmdk now a quadword
:	59	0059	1	:	
:	60	0060	1	:	V02-004
:	61	0061	1	:	RPG0044 Bob Grosso 21-Jul-1981
:	62	0062	1	:	Support tparsing of create/compress options.
:	63	0063	1	:	V02-003
:	64	0064	1	:	RPG0036 Bob Grosso 4-Jun-1981
:	65	0065	1	:	Modify create options for HISTORY.
:	66	0066	1	:	V02-002
:	67	0067	1	:	RPG0035 Bob Grosso 16-Apr-1981
:	68	0068	1	:	Add listhead for update history module names.
:	69	0069	1	:	V02-001
:	70	0070	1	:	BLS0029 Benn Schreiber 23-Dec-1980
:	71	0071	1	:	Add shareable image symbol table library
:	72	0072	1	:	
:	73	0073	1	:	


```
75 0074 1 LIBRARY
76 0075 1 'SYSS$LIBRARY:STARLET.L32'; !System data structures
77 0076 1 REQUIRE
78 0077 1 'PREFIX'; !Macro definitions
79 0261 1 REQUIRE
80 0262 1 'LIBDEF'; !Librarian structure defs.
81 0550 1 REQUIRE
82 0551 1 'LBRDEF'; !Library processor defs.
83 1142 1
84 1143 1 EXTERNAL ROUTINE
85 1144 1 lib_delete_obj, !Delete an object module
86 1145 1 lib_delete_mac, !Delete a macro module
87 1146 1 lib_delete_hlp, !Delete a help module
88 1147 1 lib_delete_txt, !Delete a text module
89 1148 1 lib_input_obj, !Input an object file
90 1149 1 lib_input_mac, !Input a macro file
91 1150 1 lib_input_hlp, !Input a help file
92 1151 1 lib_input_txt; !Input a text file
93 1152 1
94 1153 1 ! Global data
95 1154 1
96 1155 1 GLOBAL
97 1156 1 lib$before_date : BLOCK [2], !date from /BEFORE
98 1157 1 lib$since_date : BLOCK [2], !date from /SINCE
99 1158 1 lib$al_rab : $RAB (), !RAB for I/O
100 1159 1 lib$gl_modnamix : INITIAL (1), !Index number for module names
101 1160 1 lib$gl_objgsdix : INITIAL (2), !Index number for object gsd names
102 1161 1 lib$gl_recount, !Count of records inserted
103 1162 1 lib$gl_keysize, !Max length of keys in current library
104 1163 1 lib$gl_listwid, !Width of listing line from /WIDTH
105 1164 1 lib$gl_libctl, !Library control index
106 1165 1 lib$gl_ctlmsk : BLOCK [2], !Librarian control mask
107 1166 1 lib$gl_tmprfdb : REF BBLOCK, !Temporary FDB pointer
108 1167 1 lib$gl_libfdb : REF BBLOCK, !Pointer to library FDB
109 1168 1 lib$gl_outfdb : REF BBLOCK, !Pointer to output FDB
110 1169 1 lib$gl_inpfdb : REF BBLOCK, !Pointer to current input FDB
111 1170 1 lib$gl_inplst : REF BBLOCK, !Pointer to input list FDB's
112 1171 1 lib$gl_lisfdb : REF BBLOCK, !Pointer to listing file FDB
113 1172 1 lib$gl_modupdl : VECTOR [2], !Listhead for library update history module list
114 1173 1 lib$gl_modlisl : VECTOR [2], !Listhead for "list only" module list
115 1174 1 lib$gl_modxtrl : VECTOR [2], !Listhead for module extraction list
116 1175 1 lib$gl_objsyml : VECTOR [2], !Listhead for symbols to remove from
117 1176 1 ! object library
118 1177 1 lib$gl_delmodl : VECTOR [2], !Listhead for module names to delete
119 1178 1 lib$gl_cre8flags, !Flags bitvector indicates which options set by create
120 1179 1 lib$al_creopts : VECTOR [6, LONG] !Options specifiable with /CREATE
121 1180 1 INITIAL (lib$sc_defblks, !number of blocks
122 1181 1 lib$sc_defgbls, !number of global symbols (object libraries)
123 1182 1 lib$sc_defmods, !number of module names
124 1183 1 0, !keysize
125 1184 1 lib$sc_defluhrec, !number of library update history records
126 1185 1 lib$sc_defvertyp), !version number of library
127 1186 1
128 1187 1 ! Table of month names as pointers to ASCII strings
129 1188 1
130 1189 1 lib$al_months : VECTOR [12, LONG] INITIAL
131 1190 1 (CSTRING ('JAN'),
```

```
: 132      1191 1      CSTRING ('FEB'),
: 133      1192 1      CSTRING ('MAR'),
: 134      1193 1      CSTRING ('APR'),
: 135      1194 1      CSTRING ('MAY'),
: 136      1195 1      CSTRING ('JUN'),
: 137      1196 1      CSTRING ('JUL'),
: 138      1197 1      CSTRING ('AUG'),
: 139      1198 1      CSTRING ('SEP'),
: 140      1199 1      CSTRING ('OCT'),
: 141      1200 1      CSTRING ('NOV'),
: 142      1201 1      CSTRING ('DEC')),
: 143      1202 1
: 144      1203 1      !
: 145      1204 1      ! Default filename extensions for input files of different library types
: 146      1205 1      ! (***** DO NOT CHANGE THE ORDER OF THE FOLLOWING*****)
: 147      1206 1      !
: 148      1207 1      lib_obj_defext : BBLOCK [dsc$c s bln * 2] !String descriptor for object library
: 149      1208 1      INITIAL (STRINGDESC ('.OLB')),
: 150      1209 1      STRINGDESC ('.OBJ')),
: 151      1210 1      lib_mac_defext : BBLOCK [dsc$c s bln * 2] !String descriptor for macro library
: 152      1211 1      INITIAL (STRINGDESC ('.MLB')),
: 153      1212 1      STRINGDESC ('.MAR')),
: 154      1213 1      lib_hlp_defext : BBLOCK [dsc$c s bln * 2] !String descriptor for help library
: 155      1214 1      INITIAL (STRINGDESC ('.HLB')),
: 156      1215 1      STRINGDESC ('.HLP')),
: 157      1216 1      lib_txt_defext : BBLOCK [dsc$c s bln * 2] !String descriptor for text library
: 158      1217 1      INITIAL (STRINGDESC ('.TLB')),
: 159      1218 1      STRINGDESC ('.TXT')),
: 160      1219 1      lib_shr_defext : BBLOCK [dsc$c s bln * 2] !String descriptor for shareable
: 161      1220 1      INITIAL (STRINGDESC ('.OLB')),
: 162      1221 1      STRINGDESC ('.EXE')),
: 163      1222 1      !
: 164      1223 1      ! Other global data
: 165      1224 1      !
: 166      1225 1      lib$al_tynames : VECTOR [lbr$c typ decmx + 2, LONG] !Names of library types
: 167      1226 1      INITIAL (CSTRING ('UNKNOWN'),
: 168      1227 1      CSTRING ('OBJECT'),
: 169      1228 1      CSTRING ('MACRO'),
: 170      1229 1      CSTRING ('HELP'),
: 171      1230 1      CSTRING ('TEXT'),
: 172      1231 1      CSTRING ('SHAREABLE IMAGE SYMBOL TABLE'),
: 173      1232 1      CSTRING ('USER DEFINED')),
: 174      1233 1      lib$gl_type, !type of library (from command)
: 175      1234 1      lib$al_ascbinf : VECTOR [lbr$c typ decmx + 1, LONG] !Binary/ASCII index flags
: 176      1235 1      INITIAL (0, !0 - not used
: 177      1236 1      sym$c_maxlng, !Object libraries
: 178      1237 1      sym$c_maxlng, !Macro libraries
: 179      1238 1      lib$c_shortsym, !Help text libraries
: 180      1239 1      lib$c_filename_length, !TEXT libraries
: 181      1240 1      lib$c_filename_length), !Shr img symbol table libraries
: 182      1241 1      lib$al_hdrlen : VECTOR [lbr$c typ decmx + 1, LONG] !Mod. hdr. extra data length
: 183      1242 1      INITIAL (0, sym$c_maxlng + 2, 0, 0, 0, sym$c_maxlng+2),
: 184      1243 1      lib$al_idxopt : VECTOR [lbr$c typ decmx + 1, LONG] ! Index options
: 185      1244 1      INITIAL (0, cre$c_objcasing, cre$c_mactxtcas, cre$c_hlpcasing,
: 186      1245 1      cre$c_mactxtcas, cre$c_objcasing), ! Unused, object, macro, hlp, text, shstb
: 187      1246 1      lib$al_numidx : VECTOR [lbr$c typ decmx + 1, LONG] !Number of indices
: 188      1247 1      INITIAL (0, 2, 1, 1, 1, 2); !Unused,object,macro,hlp,TEXT,shr stb
: 188      1247 1 GLOBAL BIND
```



```
189      1248 1      lib$al_inpdspat = PLIT (
190      1249 1      0,                                ! 0 - not used
191      1250 1      lib_input_obj,                    ! object
192      1251 1      lib_input_mac,                    ! macro
193      1252 1      lib_input_hlp,                    ! help
194      1253 1      lib_input_txt,                    ! TEXT
195      1254 1      lib_input_obj,                    ! Shareable image stb
196      1255 1      ),
197      1256 1      lib$al_deldspat = PLIT (
198      1257 1      0,                                ! not used
199      1258 1      lib_delete_obj,                   ! object
200      1259 1      lib_delete_mac,                   ! macro
201      1260 1      lib_delete_hlp,                   ! help
202      1261 1      lib_delete_txt,                   ! text
203      1262 1      lib_delete_obj,                   ! Shareable image stb
204      1263 1      ),
205      1264 1      lib$gl_allblks = lib$al_creopts [lib$c_opt_blks], ! Number of blocks to allocate for file
206      1265 1      lib$gl_allgbls = lib$al_creopts [lib$c_opt_gbls], ! Number of global symbols to allocate
207      1266 1      lib$gl_allmods = lib$al_creopts [lib$c_opt_mods], ! Number of modules to allocate
208      1267 1      lib$gl_allksz = lib$al_creopts [lib$c_opt_ksz],  ! Key size of entries
209      1268 1      lib$gl_allhis = lib$al_creopts [lib$c_opt_luhs],  ! Number of library update history records
210      1269 1      lib$gl_allver = lib$al_creopts [lib$c_opt_ver],  ! Version type of library
211      1270 1      lib$gl_objmodix = lib$gl_modnamix,  ! object module name index
212      1271 1      lib$gl_macmodix = lib$gl_modnamix,  ! macro module name index
213      1272 1      lib$gl_hlpmodix = lib$gl_modnamix,  ! help module name index
214      1273 1      lib$gl_txtmodix = lib$gl_modnamix;  ! text module name index
215      1274 1
216      1275 1      END
217      1276 0      ELUDOM
```

! Of module

```
.TITLE LIB DATABASE
.IDENT \V04-000\
.PSECT $PLIT$,NOWRT,NOEXE,2
```

		03	00000	P.AAA:	.BYTE	3
4E	41	4A	00001	P.AAB:	.ASCII	\JAN\
		03	00004	P.AAB:	.BYTE	3
42	45	46	00005	P.AAC:	.ASCII	\FEB\
		03	00008	P.AAC:	.BYTE	3
52	41	4D	00009	P.AAD:	.ASCII	\MAR\
		03	0000C	P.AAD:	.BYTE	3
52	50	41	0000D	P.AAE:	.ASCII	\APR\
		03	00010	P.AAE:	.BYTE	3
59	41	4D	00011	P.AAF:	.ASCII	\MAY\
		03	00014	P.AAF:	.BYTE	3
4E	55	4A	00015	P.AAG:	.ASCII	\JUN\
		03	00018	P.AAG:	.BYTE	3
4C	55	4A	00019	P.AAH:	.ASCII	\JUL\
		03	0001C	P.AAH:	.BYTE	3
47	55	41	0001D	P.AAI:	.ASCII	\AUG\
		03	00020	P.AAI:	.BYTE	3
50	45	53	00021	P.AAJ:	.ASCII	\SEP\
		03	00024	P.AAJ:	.BYTE	3
54	43	4F	00025	P.AAK:	.ASCII	\OCT\
		03	00028	P.AAK:	.BYTE	3

```

      56 4F 4E 00029 .ASCII \NOV\
      43 45 44 0002C P.AAL: .BYTE 3
      42 4C 4F 2E 0002D .ASCII \DEC\
      4A 42 4F 2E 00030 P.AAM: .ASCII \.OLB\
      42 4C 4D 2E 00034 P.AAN: .ASCII \.OBJ\
      52 41 4D 2E 00038 P.AAO: .ASCII \.MLB\
      42 4C 48 2E 0003C P.AAP: .ASCII \.MAR\
      50 4C 48 2E 00040 P.AAQ: .ASCII \.HLB\
      42 4C 54 2E 00044 P.AAR: .ASCII \.HLP\
      54 58 54 2E 00048 P.AAS: .ASCII \.TLB\
      42 4C 4F 2E 0004C P.AAT: .ASCII \.TXT\
      45 58 45 2E 00050 P.AAU: .ASCII \.OLB\
      07 00054 P.AAV: .ASCII \.EXE\
      55 00058 P.AAW: .BYTE 7
4E 57 4F 4E 4B 4E 00059 .ASCII \UNKNOWN\
      54 43 45 4A 42 4F 00060 P.AAX: .BYTE 6
      4F 52 43 41 4D 00061 .ASCII \OBJECT\
      04 00067 P.AAY: .BYTE 5
      50 4C 45 48 00068 .ASCII \MACRO\
      54 58 45 54 0006D P.AAZ: .BYTE 4
      1C 0006E .ASCII \HELP\
      53 00072 P.ABA: .BYTE 4
      53 00073 .ASCII \TEXT\
45 47 41 4D 49 20 45 4C 42 41 45 52 41 48 53 00077 P.ABB: .BYTE 28
      45 4C 42 41 54 20 4C 4F 42 4D 59 53 20 00078 .ASCII \SHAREABLE IMAGE SYMBOL TABLE\
      44 45 4E 49 46 45 44 20 52 45 53 55 00087 P.ABC: .BYTE 12
      00000006 000A1 .ASCII \USER DEFINED\
      00000000 000A4 .BLKB 3
      00000000 000A8 P.ABD: .LONG 6
      00000000G 00000000G 00000000G 00000000G 00000000G 000AC .LONG 0
      00000006 000C0 .ADDRESS LIB_INPUT_OBJ, LIB_INPUT_MAC, -
      00000000 000C4 P.ABE: .LONG 0 LIB_INPUT_RLP, LIB_INPUT_TXT, -
      00000000G 00000000G 00000000G 00000000G 00000000G 000C8 .ADDRESS LIB_DELETE_OBJ, LIB_DELETE_MAC, -
      LIB_DELETE_RLP, LIB_DELETE_TXT, -
      LIB_DELETE_OBJ
      .PSECT $GLOBALS,NOEXE,2
      00000 LIB$BEFORE_DATE::
      .BLKB 8
      00008 LIB$SINCE_DATE::
      .BLKB 8
      01 00010 LIB$AL_RAB::
      .BYTE 1
      44 00011 .BYTE 68
      0000 00012 .WORD 0
      00000000 00014 .LONG 0
      00000000 00018 .LONG 0
      00000000 0001C .LONG 0
      0000# 00020 .WORD 0[3]
      0000 00026 .WORD 0
      00000000 00028 .LONG 0
      0000 0002C .WORD 0
```


LIB DATABASE
V04=000

K 14
16-Sep-1984 01:49:50
14-Sep-1984 12:37:59

VAX-11 Bliss-32 V4.0-742
[LIBRAR.SRC]DATABASE.B32;1

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(2)

LIB
V04

	00	0002E	.BYTE	0				
	00	0002F	.BYTE	0				
	0000	00030	.WORD	0				
	0000	00032	.WORD	0				
00000000	00034	.LONG	0					
00000000	00038	.LONG	0					
00000000	0003C	.LONG	0					
00000000	00040	.LONG	0					
	00	00044	.BYTE	0				
	00	00045	.BYTE	0				
	00	00046	.BYTE	0				
	00	00047	.BYTE	0				
00000000	00048	.LONG	0					
00000000	0004C	.LONG	0					
00000000	00050	.LONG	0					
00000001	00054	LIB\$GL_MODNAMIX::						
		.LONG	1					
00000002	00058	LIB\$GL_OBJGSDIX::						
		.LONG	2					
	0005C	LIB\$GL_RECOUNT::						
		.BLKB	4					
	00060	LIB\$GL_KEYSIZE::						
		.BLKB	4					
	00064	LIB\$GL_LISTWID::						
		.BLKB	4					
	00068	LIB\$GL_LIBCTL::						
		.BLKB	4					
	0006C	LIB\$GL_CTLMSK::						
		.BLKB	8					
	00074	LIB\$GL_TMPFDB::						
		.BLKB	4					
	00078	LIB\$GL_LIBFDB::						
		.BLKB	4					
	0007C	LIB\$GL_OUTFDB::						
		.BLKB	4					
	00080	LIB\$GL_INPFDB::						
		.BLKB	4					
	00084	LIB\$GL_INPLIST::						
		.BLKB	4					
	00088	LIB\$GL_LISFDB::						
		.BLKB	4					
	0008C	LIB\$GL_MODUPDL::						
		.BLKB	8					
	00094	LIB\$GL_MODLISL::						
		.BLKB	8					
	0009C	LIB\$GL_MODXTRL::						
		.BLKB	8					
	000A4	LIB\$GL_OBJSYRML::						
		.BLKB	8					
	000AC	LIB\$GL_DELMODL::						
		.BLKB	8					
	000B4	LIB\$GL_CRE8FLAGS::						
		.BLKB	4					
00000003	00000014	00000000	00000080	00000200	00000064	000B8	LIB\$AL_CREOPTS::	
							.LONG	100, 512, 128, 0, 20, 3
00000000'	00000000'	00000000'	00000000'	00000000'	00000000'	000D0	LIB\$AL_MONTHS::	
							.ADDRESS	P.AAA, P.AAB, P.AAC, P.AAD, P.AAE, -

```
00000000' 00000000' 00000000' 00000000' 00000000' 00000000' 000E8      P.AAF, P.AAG, P.AAH, P.AAI, P.AAJ, P.AAK, - ;
                                          P.AAL
00000004 00100 LIB_OBJ_DEFE XT::
                      .LONG 4
00000000' 00104                      .ADDRESS P.AAM
00000004 00108                      .LONG 4
00000000' 0010C                      .ADDRESS P.AAN
00000004 00110 LIB_MAC_DEFE XT::
                      .LONG 4
00000000' 00114                      .ADDRESS P.AAO
00000004 00118                      .LONG 4
00000000' 0011C                      .ADDRESS P.AAP
00000004 00120 LIB_HLP_DEFE XT::
                      .LONG 4
00000000' 00124                      .ADDRESS P.AAQ
00000004 00128                      .LONG 4
00000000' 0012C                      .ADDRESS P.AAR
00000004 00130 LIB_TXT_DEFE XT::
                      .LONG 4
00000000' 00134                      .ADDRESS P.AAS
00000004 00138                      .LONG 4
00000000' 0013C                      .ADDRESS P.AAT
00000004 00140 LIB_SHR_DEFE XT::
                      .LONG 4
00000000' 00144                      .ADDRESS P.AAU
00000004 00148                      .LONG 4
00000000' 0014C                      .ADDRESS P.AAV
00000000' 00000000' 00000000' 00000000' 00000000' 00000000' 00150 LIB$AL_TYPNAMES::
                      .ADDRESS P.AAW, P.AAX, P.AAY, P.AAZ, P.ABA, -
00000000' 00168                      P.ABB, P.ABC
0016C LIB$GL_TYPE::
                      .BLKB 4
00000027 00000027 0000000F 0000001F 0000001F 00000000 00170 LIB$AL_ASCBINF::
                      .LONG 0, 31, 31, 15, 39, 39
00000021 00000000 00000000 00000000 00000021 00000000 00188 LIB$AL_HDRLEN::
                      .LONG 0, 33, 0, 0, 0, 33
00000003 00000000 00000006 00000000 00000003 00000000 001A0 LIB$AL_IDXOPT::
                      .LONG 0, 3, 0, 6, 0, 3
00000002 00000001 00000001 00000001 00000002 00000000 001B8 LIB$AL_NUMIDX::
                      .LONG 0, 2, 1, 1, 1, 2
```

```
LIB$AL_INPDSPAT== P.ABD
LIB$AL_DELDSPAT== P.ABE
LIB$GL_ALLBLKS== LIB$AL_CREOPTS
LIB$GL_ALLGBLS== LIB$AL_CREOPTS+4
LIB$GL_ALLMODS== LIB$AL_CREOPTS+8
LIB$GL_ALLKSZ== LIB$AL_CREOPTS+12
LIB$GL_ALLHIS== LIB$AL_CREOPTS+16
LIB$GL_ALLVER== LIB$AL_CREOPTS+20
LIB$GL_OBJMODIX== LIB$GL_MODNAMIX
LIB$GL_MACMODIX== LIB$GL_MODNAMIX
LIB$GL_HLPMODIX== LIB$GL_MODNAMIX
LIB$GL_TXTMODIX== LIB$GL_MODNAMIX
      .EXTRN LIB_DELETE_OBJ, LIB_DELETE_MAC
      .EXTRN LIB_DELETE_HLP, LIB_DELETE_TXT
      .EXTRN LIB_INPUT_OBJ, LIB_INPUT_MAC
      .EXTRN LIB_INPUT_HLP, LIB_INPUT_TXT
```


PSECT SUMMARY

```

:
:      Name                      Bytes          Attributes
:
: $GLOBALS                      464 NOVEC, WRT, RD ,NOEXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)
: $SPLITS                       220 NOVEC,NOWRT, RD ,NOEXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)
:

```

Library Statistics

```

:
:      File                      Total Symbols Loaded Percent Pages Mapped Processing
:                                     Time
:
: _$255$DUA28:[SYSLIB]STARLET.L32;1 9776      35      0      581      00:01.0
:

```

COMMAND QUALIFIERS

```

:
:      BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LISS:DATABASE/OBJ=OBJ$:DATABASE MSRC$:DATABASE/UPDATE=(ENHS:DATABASE)
:
: Size:      0 code + 684 data bytes
: Run Time:   00:16.4
: Elapsed Time: 00:34.7
: Lines/CPU Min: 4668
: Lexemes/CPU-Min: 54629
: Memory Used: 149 pages
: Compilation Complete

```


0200 AH-BT13A-SE
VAX/VMS V4.0

DIGITAL EQUIPMENT CORPORATION
CONFIDENTIAL AND PROPRIETARY

TRANSFER
LIS

DATABASE
LIS

PUTCACHE
LIS

LIBRAR

PREFIX
REQ

LIBRARIAN
MAP

CROSS
LIS

SUBS
LIS

PADLBR
LIS

COMPRESS
LIS

LIB
MDL

FILEIO
LIS

EXTRACT
LIS

DELETE
LIS